

FacilityPro MiniPOS 3000

Installation and User Manual

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About this installation and user manual

This is the user manual for the FacilityPro MiniPOS 3000 (MAN7 MT3000 UKED 4502.doc).

It is based on Magnabox application software version V3.45 and bios version 3.36 and on FacilityPro Manager version 3.4.0.26.

This manual describes how to install and use a FacilityPro MiniPOS 3000 and how to solve certain problems. For technical specifications such as measurements, memory capacity, etc., you are referred to the data sheet of the FacilityPro MiniPOS 3000.

When the text presents an enumeration that does not represent instructions to be carried out, this enumeration will be presented as follows, each item identified by a number and a bracket:

- 1) First point
- 2) Second point, etc

When the text presents instructions on how to perform the various tasks, these instructions always have a title which starts with **How**, for example **How to check the balance on a smartcard:**. The instructions for the specific task are then given step by step, in the order in which they will be carried out, each step identified by a number and a full stop, as follows:

1. Step 1.
2. Step 2.
3. Step 3, etc.

1 Introduction

The FacilityPro MiniPOS 3000 is a terminal for electronic payment at Points of Sale (POS) using a FacilityPro smartcard or Chipknip¹, into which is integrated the cash register functionality. A range of FacilityPro MiniPOS 3000 models is available.

The FacilityPro MiniPOS 3000 consists of three main modules: the mini POS, the control-unit and the card reader. The mini POS is a keyboard with a display and has “one-touch” buttons for selected products at pre-defined prices, a numeric keypad allowing cash amounts to be entered and a number of specific function keys. One can choose for either 8 large and 12 small or 44 small product buttons. The control-unit, or Magnabox, is connected to the mini POS. The card reader (Atlas 4), where the card is inserted, is placed on a smooth surface (e.g. the counter).

To pay for products at a FacilityPro MiniPOS 3000, the operator enters the products and/or cash amounts on the mini POS one line at a time. Each product or amount is shown as one line of the order (the keypad and the product keys can be combined to enter “5 coffee” in one line). For each line the amount due is shown on the display of the mini POS. When the <Enter>-key is pressed, the total amount due is shown on the displays of both the mini POS and the card reader. The customer must insert his smartcard in the card reader. The amount due is deducted from the card after the customer has confirmed by pressing the <OK>-button. At a FacilityPro MiniPOS 3000 money can also be transferred from one card to another and the customer can view his balance on the screen of the card reader by pressing the <?>-button.

At a FacilityPro MiniPOS 3000 you pay for products using a FacilityPro card or Chipknip. Chipknip is the electronic cash system or open Dutch e-purse used in the Netherlands. A FacilityPro card is a smartcard for your own organisation or company which can be used for electronic payment at cash registers, POS stations, vending machines, photocopiers, etc. Magna Carta developed the ‘closed’ electronic transaction system FacilityPro, which offers various functions for card configuration, registration of data on the cards and a loyalty system for card users. A useful feature of the system is the ability to charge different card holders different prices. Optionally, FacilityPro cards can be reloaded at the FacilityPro MiniPOS 3000 by transferring balance from a Chipknip or another FacilityPro card. FacilityPro is available for contact cards as well as contactless cards. Presently supported contact cards are JavaCard, IBM MFC and legacy Bull Scot5, Gemclub Micro, FacilityCard, Multi-Card Smart. Presently supported contactless cards are Mifare Classic, Mifare DESFire and contactless JavaCards. Terminals are prepared for Mifare Plus. LEGIC cards are also supported, and require a special LEGIC card reader.

In addition to straightforward payment the FacilityPro MiniPOS 3000 can handle transactions with a FacilityPro card so that certain users are charged a reduced price, others do not pay at all and yet others can purchase products against a budget on the card. The transaction data stored includes the cost centre of the card allowing for through billing.

The FacilityPro MiniPOS 3000 will function as a terminal within a complete FacilityPro electronic transaction system. In addition to Mini POS terminals, other Magna Carta payment

¹ Terminals that can accept Chipknip are only available for the Dutch market. Chipknip is the electronic cash system or open Dutch e-purse used in the Netherlands.

terminals can be incorporated (e.g. at cash registers, photocopiers and vending machines), as well as access control terminals and card reload stations.

Depending on the architecture of your site you will choose for a PayPro or PowerPro terminal:

- 1) PayPro: Card holders cannot be divided into user groups. All card holders pay the same price; discounts and budgets cannot be assigned.
- 2) PowerPro: Card holders can be divided into user groups, allowing for complex price differentiation by assigning discounts and budgets per user group. User groups can have multiple special features, such as free sale, discount or budget. Card holders can also be divided into cost centres so that billing reports per cost centre can be generated.

The terminals are managed with the software FacilityPro Manager developed by Magna Carta. With the PayPro module of FacilityPro Manager, the system administrator manages the payment terminals. He can edit products and prices, put stolen cards on the hotlist and configure and audit the terminals. The PowerPro module of FacilityPro Manager allows the system administrator to define user groups and cost centres, so that a complex terminal configuration can be realised, where user groups may be assigned multiple special features. Transaction data stored includes the cost centre, allowing for through billing. For further details on FacilityPro Manager you are referred to the datasheet for this product.

The FacilityPro MiniPOS 3000 can communicate with the management software via Ethernet, via mobile or analogue telephone network using a GSM/GPRS- or PSTN-modem, or stand-alone via infrared communication. In some cases additional hardware and/or software might be necessary, such as a Personal Digital Assistant (PDA) and the COMET software for communication via infrared, or a modem on the back-office computer for dial-up connection to a modem.

If Chipknip is accepted at the terminal (see footnote **Error! Bookmark not defined.**) the Chipknip payments must be transmitted to the acquirer Equens. This can be done with the Chipknip module of FacilityPro Manager, a 'store and forward' module, which collects the transactions from one or several terminals and then sends them to Equens in a batch, where they are processed. It is therefore not imperative to have a network connection (TCP/IP or telephone) certified by Equens at every terminal that must accept Chipknip. Another option is direct transfer of the Chipknip payments from the terminal to Equens using the built-in Chipknip terminal software. This does require a network connection certified by Equens.

2 FacilityPro MiniPOS 3000: What's in the Box?

You have purchased a FacilityPro MiniPOS 3000. Three models of the FacilityPro MiniPOS 3000 are available, shown in the table below together with their product codes. The complete product name is the type of terminal (PayPro or PowerPro) followed by the product code.

FacilityPro MiniPOS 3000 payment terminals	
IRDA and TCP/IP	MT 3040
+ PSTN modem	MT 3041
+ GSM/GPRS modem	MT 3042

Your FacilityPro MiniPOS 3000 has the following parts:

- 1) Magnabox control-unit box:
 - a) Magnabox control-unit with built in TIPRO PCB for connection to the mini POS (older versions of the FacilityPro MiniPOS 3000 do not have this PCB²), optionally with SAM for Chipknip acceptance (see footnote **Error! Bookmark not defined.**)
 - key for Magnabox
 - 3 plugs S6
 - 3 screws DIN7981 4,8x25 mm
 - b) Accessory bag with:
 - c) A6 paper with a list of 'What's in the box' and a link to the installation and user manual of the Magnabox on the Magna Carta website
- 2) Box with card reader type Atlas 4 'Standard':
 - a) 4-button Atlas on mounting plate
 - key for Atlas
 - 3 plugs S6
 - 3 screws DIN7981 4,8x25 mm
 - b) Accessory bag with:
 - c) A6 paper with a list of 'What's in the box' and a link to the installation and user manual of the Atlas on the Magna Carta website
- 3) Application box:
 - a) Power supply for Magnabox
 - b) Atlas base
 - c) Modular cable RJ12/RJ12 1 metre
 - d) 4 suction cups for Atlas base
 - e) A6 paper with a list of 'What's in the box' and a link to the installation and user manual of the FacilityPro MiniPOS 3000 on the Magna Carta website
 - f) For older versions of the FacilityPro MiniPOS 3000 without the TIPRO PCB only: modular cable RJ12/RJ12 1.50 metre for MC POS cable

² The TIPRO PCB has simplified connection of the mini POS, only one cable is needed from mini POS to Magnabox, power supply of the mini POS come from the Magnabox. This requires application software version V3.28 or higher in the Magnabox.

- g) For older versions of the FacilityPro MiniPOS 3000 without the TIPRO PCB only:
Adaptor D9 male to RJ12 for MC POS cable
- 4) Tipro mini POS box:
 - a) bag with
 - 44 small blue keys numbered 1-44
 - 2 small red keys CASH TO CARD and CARD TO CASH
 - 5 small dark grey keys: £³, DELETE, ESC, ▲ and ▼.
 - 1 double dark grey key (vertical) ENTER
 - 9 small light grey keys numbered 1-9
 - 1 double light grey key (horizontal) 0
 - b) bag with
 - 64 small transparent caps for on small keys
 - 8 large light grey keys
 - 8 large transparent caps for on large keys
 - 1 Tipro tool for removing keys
 - 1 double light grey key (horizontal)
 - 1 double light grey key (vertical)
 - 2 stickers to protect the LEDs against spillages and dirt
 - c) Tipro Installation CD
 - d) CD-Rom with configuration files for the mini POS
 - e) Tipro MID KM064A-keyboard with Tipro MID DLA01B-LCD module and 64 small light grey keys.
 - f) Mini POS cable with two mini-DIN connectors for connecting the Mini POS to the Magnabox (older versions of the FacilityPro MiniPOS 3000 without the TIPRO PCB were supplied with a Mini POS cable (split) for power supply and connection to PC POS cable (or PC) with 1 mini-DIN TIPRO connector and 1 female DB9 connector).
 - g) Wet cover for the mini POS, if ordered separately (article 39200230).
 - h) A6 paper with a list of 'What's in the box'

Your FacilityPro MiniPOS 3000 MT 3041 includes additional items:

- 1) Telephone cable with two RJ11 connector, MC order number 91900030 (2 metres)
- 2) PSTN modem built into the Magnabox

Your FacilityPro MiniPOS 3000 MT 3042 includes additional items:

- 1) antenna with SMA connector
- 2) GSM/GPRS modem built into the Magnabox

If you are a VAR and will need to configure the Mini POS keyboard yourself, you will also need a Mini POS cable (split) for power supply and connection to PC with 1 mini-DIN TIPRO connector and 1 female DB9 connector as well as a CD-Rom with configuration files for the mini POS keyboard. These are not supplied with the FacilityPro MiniPOS 3000 and need to be ordered separately.

³ This can of course be another currency. In this document the £ is used throughout. Wherever the £ is used, another currency symbol can be substituted.

3 Installation

Installing the FacilityPro MiniPOS 3000 involves:

- 1) fitting the correct keys onto the mini POS keyboard (§3.1);
- 2) programming the correct layout for the mini POS keyboard into the mini POS (§3.2).
- 3) installing the FacilityPro MiniPOS 3000 (§3.3). In some cases the FacilityPro MiniPOS 3000 will not be installed in one fixed physical location. It is frequently used as a temporary POS at events.

3.1 Assembling the mini POS keyboard

How to assemble the mini POS keyboard:

1. Apply the stickers on the recesses of equal size with 4 and 3 LED's at the top of the keyboard. These stickers protect the LED's against spillages and dirt.
2. Detach the keys that you want to replace using the TIPRO tool: place the tool over the sides of a key and pull sideways and upwards so that the key comes off.
3. Press the appropriate keys onto the keyboard in such a way that the most slanted edge is always at the front. Examples of keyboard layouts are shown in Figure 3-1 and Figure 3-3.



Figure 3-1



Figure 3-2

3.2 Configuring the mini POS keyboard

You will need a PC, the Tipro cd-rom with ChangeMe software and the CD-Rom with configuration files for the mini POS keyboard supplied by Magna Carta and a mini POS cable (split) for power supply and connection to PC with 1 mini-DIN TIPRO connector and 1 female DB9 connector. The CD-Rom with configuration files for the mini POS keyboard and the cable are not supplied with the FacilityPro MiniPOS 3000 and need to be ordered separately. There are two default Magna Carta configuration files (<[name].lay>) for the mini POS:

- 1) <kposplus_rs232.lay> for 44 small product keys, a numeric keypad and function keys £, ENTER, DELETE, ESC, ▼ en ▲, CARD TO CASH and CASH TO CARD, as shown in Figure 3-1.

- 2) < kposplus_rs232_8bigkeys .lay> for 8 large and 12 small product keys, a numeric keypad and function keys £, ENTER, DELETE, ESC, ▼ en ▲, CARD TO CASH and CASH TO CARD, as shown in Figure 3-2.

How to configure the mini POS keyboard:

1. Insert the mini-DIN TIPRO connector of the mini POS cable (split cable) into the correct port of the mini POS (the extreme right port and the only one it will fit into).
2. Insert the female DB9 connector of the power supply and cable for the mini POS into a COM port of the PC.
3. Insert the plug of the power supply and cable for the mini POS into a socket.
4. Install the software ChangeMe from the Tipro cd-rom.
5. Insert the CD-Rom with Magna Carta configuration files (<[name].lay>) for the mini POS keyboard into the CD-Rom drive of the PC.
6. Start ChangeMe (Start – Programs – Tipro keyboards – ChangeMe). You will see the message: 'USB keyboard not found. Would you like to check other ports?'.
7. Click **Yes**. After some time you will see a screen as in Figure 3-3.

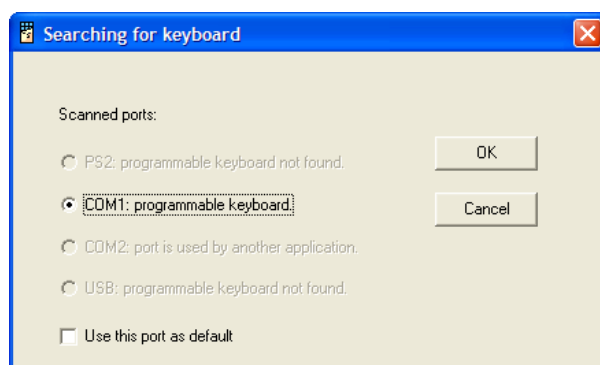


Figure 3-3

8. Click **OK**. After some time you will see a screen as in Figure 3-4.

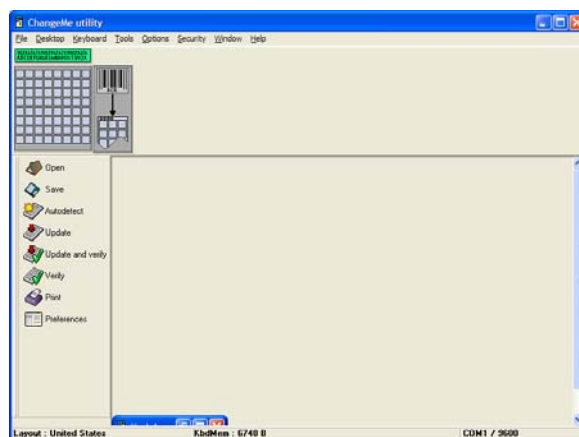


Figure 3-4

9. Click **Open**. You will see a browse screen.
10. Browse to the CD-Rom drive and select the preferred Magna Carta configuration file (<[name].lay>) for the mini POS keyboard.
11. Click **Open**. The configuration file is loaded.

12. Click **Update and verify**. The configuration is programmed into the mini POS keyboard. You will see the message 'Memory verified successfully'.
13. Click **OK**. Your screen will show the configuration of the mini POS keyboard as in Figure 3-5.

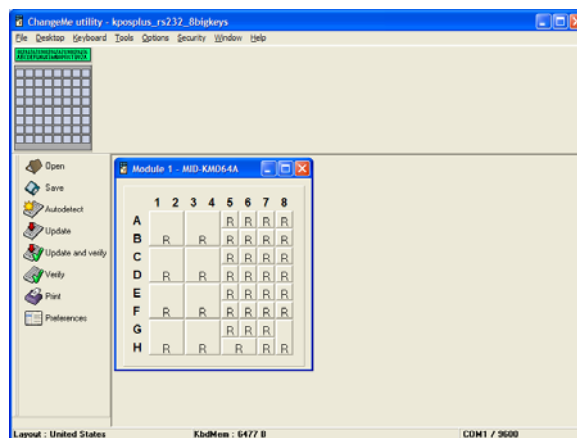


Figure 3-5

14. Close the ChangeMe program.

3.3 Installing the FacilityPro MiniPOS 3000

How to install the FacilityPro MiniPOS 3000:

1. Install the Magnabox on a smooth and protected surface within 1.5 m of where the mini POS will be placed, preferably out of sight of the cashier and customer and such that the cabling can be concealed to avoid accidental disconnection (for instructions refer to the Magnabox installation and user manual).
2. Assemble the mini POS (zie §3.1).
3. Assemble the card reader (Atlas, base and suction cups) following the instructions in the Atlas installation and user manual.
4. Place the mini POS on a suitable surface.
5. Insert one mini-DIN connector of the mini POS cable into the unlabelled port of the Magnabox above the port 'POWER'.
6. Insert the other mini-DIN connector of the mini POS cable into the correct port of the mini POS (the extreme right port and the only one it will fit into).
7. Insert an RJ 12 connector of the modular cable into the port 'READER1' of the Magnabox.
8. Slide the base off the Atlas card reader and insert the other RJ12 connector of this cable, through the hole in the base, into the port '1' of the Atlas, and slide the base of the Atlas back on.
9. Put the card reader in a suitable place so that the customer has a good view of the display. Use the suction cups to secure it.
10. Insert the power plug of the power supply for the Magnabox into the port 'POWER' of the Magnabox.
11. If the FacilityPro MiniPOS 3000 will be connected to a network (Ethernet LAN or mobile or analogue telephone network), follow the appropriate instructions in the Magnabox installation and user manual to establish the connection to the network.

12. Place the wet cover over the mini POS keyboard to protect from spillages and staining.

How to install the FacilityPro MiniPOS 3000 for older versions without the TIPRO PCB:

Replace steps 5 through 7 of the above with the following steps:

1. Assemble the MC POS cable by connecting one of the modular cables to the RJ12-male DB9 adapter.
2. Connect the female DB9 connector of the power supply and cable for the mini POS to the male DB9 connector of the MC POS cable.
3. Insert the RJ12 connector of the MC POS cable into the port 'READER2/RS232' of the Magnabox.
4. Insert the mini-DIN TIPRO connector of the power supply and cable for the mini POS into the correct port of the mini POS (the extreme right port and the only one it will fit
5. Insert an RJ 12 connector of the second modular cable into the port 'READER1' of the Magnabox.

4 Configuration

The configuration of the Magnabox includes information on:

- 1) which cards should be accepted by the FacilityPro Vending 3000 because they have the correct site code and card keys;
- 2) which currency is used;
- 3) whether certain cards should be refused by the FacilityPro MiniPOS 3000, e.g. because only certain user groups may use the vending machine or because they are lost or stolen cards from the hot list;
- 4) which products can be purchased at the mini POS and for which price;
- 5) whether balance can be transferred from one card to another;
- 6) whether certain cards should receive a discount on the price of certain or all products (PowerPro terminals only);
- 7) the value of a number of parameters that determine how a FacilityPro miniPOS 3000 will operate (§4.2.2).

Your new FacilityPro MiniPOS 3000 is delivered without a configuration in the Magnabox. Before it can be used, it must be configured. This can be done in four ways:

- 1) using a button on the Magnabox to program the standard configuration if you want to use your FacilityPro MiniPOS 3000 for testing with Magna Carta test cards or if only Chipknip should be accepted (see footnote 1) (§4.1)
- 2) with FacilityPro Manager to create a site-specific configuration (§4.2)
- 3) using the menus of the Magnabox to create a site-specific configuration (§4.3)
- 4) using http to create a site-specific configuration (§4.4)

4.1 Loading the standard configuration

The standard configuration assumes that:

- 1) the currency is Euros (€);
- 2) only Magna Carta test cards and/or Chipknip (see footnote 1) may be used;
- 3) a mini POS keyboard layout with 8 large and 12 small product keys, a numeric keypad and function keys £, ENTER, DELETE, ESC, ▼ en ▲, CARD TO CASH and CASH TO CARD, as shown in Figure 3-2 and Figure 3-5;
- 4) products and prices as defined in Table 4-1.

A FacilityPro MiniPOS 3000 can only be operational in real terms with the standard configuration if only Chipknip cards will be accepted and only amounts entered on the numeric keypad will be charged, in other words no use will be made of the product keys.

Key	Product name	Price
AB12	Item 1	€ 0,10
AB34	Item 2	€ 0,20
CD12	Item 3	€ 0,30
CD34	Item 4	€ 0,40
EF12	Item 5	€ 0,50

EF34	Item 6	€ 0,60
GH12	Item 7	€ 0,70
GH34	Item 8	€ 0,80
A5	Item 9	€ 0,90
A6	Item 10	€ 1,00
A7	Item 11	€ 1,10
A8	Item 12	€ 1,20
B5	Item 13	€ 1,30
B6	Item 14	€ 1,40
B7	Item 15	€ 1,50
B8	Item 16	€ 1,60
C5	Item 17	€ 1,70
C6	Item 18	€ 1,80
C7	Item 19	€ 1,90
C8	Item 20	€ 2,00
D5	ESC	
D6	CRARD TO POS	
D7	CASH TO CARD	
D8	€	
E5	Numeric key 7	
E6	Numeric key 8	
E7	Numeric key 9	
E8	▲	
F5	Numeric key 4	
F6	Numeric key 5	
F7	Numeric key 6	
F8	▼	
G5	Numeric key 1	
G6	Numeric key 2	
G7	Numeric key 3	
H56	Numeric key 0	
H7	DELETE	
GH8	ENTER	

Table 4-1

How to load the standard configuration into the FacilityPro MiniPOS 3000:

NB: the standard configuration can only be loaded into the FacilityPro MiniPOS 3000 if it has not yet been configured previously.

1. Install the FacilityPro MinPOS 3000 as described in chapter 3.
2. Ensure the FacilityPro MinPOS 3000 is on. The display of the Atlas card reader will show as in Figure 4-1. If however the display shows alternately as in Figure 4-2 and Figure 4-3 or as in Figure 6-1 (cashier log on), then there is already a configuration in the FacilityPro MiniPOS 3000 and you cannot load the standard configuration.

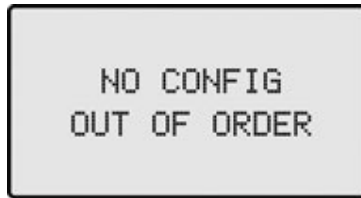


Figure 4-1 No config out of order



Figure 4-2 Welcome insert card

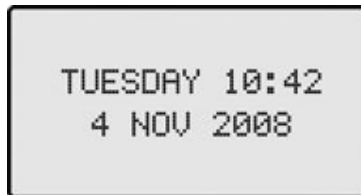


Figure 4-3 Date and time

3. Press the -button of the Magnabox. The standard configuration is loaded. The display of the card reader shows alternately as in Figure 4-2 and in Figure 4-3. The display of the mini POS shows:



4.2 Configuring with FacilityPro Manager

In the instructions in this paragraph it is assumed that you have some experience with FacilityPro Manager. For more detailed instructions you are referred to the FacilityPro Manager user manual.

4.2.1 Creating the terminal

Before you can configure the FacilityPro MiniPOS 3000 you will have to create a new terminal in the database of the FacilityPro Manager.

How to create a terminal record for your FacilityPro MiniPOS 3000 with FacilityPro Manager:

1. Start FacilityPro Manager.
2. Make sure that all the products that you want to sell on the mini POS have been created in the table of services, i.e that they are included in the list of records of the services

data screen. There must also be a service for charging amounts with the numeric keypad of the mini POS, which you might call 'Amount' or 'Euro' for instance, and with a price of £ 0,01 (or other currency). It is advised to define the services for products that will be sold with the mini POS in one (or several) separate service groups.

3. Make sure the location for the terminal has been created in the table of locations, i.e. that it is included in the list of records of the locations data screen.
4. Make sure the terminal group the terminal will belong to has been created (this can be done from the terminal groups data screen).
5. Choose menu **Terminals**.
6. Choose **Terminals**.
7. If there is more than one terminal group: select the terminal group to which the mini POS must belong.
8. Click on the function button **New**.
9. Click in the field 'Terminal'.
10. Type the name of the new terminal (e.g. 'Mini POS').
11. Click on the arrow next to the field 'Machine type'.
12. Select the machine type 'MiniPOS 20 products' or 'MiniPOS 44 products'.
13. Click on the arrow next to the field 'Collector'.
14. Select the workstation that will be the collector for this terminal. (This is not necessary if the terminal will be audited manually).
15. Click in the field 'Serial number'.
16. Type the serial number of the Magnabox. It begins with 'mb' (or 'MB'). The serial number is visible on the display of the Magnabox.
17. Click on the arrow next to the field 'Connection'.
18. Select 'Network' if the terminal will be audited and configured via Ethernet LAN or via mobile or analogue telephone network. Otherwise, select 'Handheld'.
19. Click on the arrow next to the field 'Location'.
20. Select the location of the terminal.
21. If you have filled in 'Network' in the field 'Connection' and the terminal will be audited and configured via Ethernet LAN: click in the field 'IP-address' and type the IP-address.
22. If you have filled in 'Network' in the field 'Connection' and the terminal will be audited and configured via a telephone network, you must create a dial-up connection to the modem in the Magnabox in Windows and then enter the correct values in the fields 'Dial-up connection' and 'Phone'.
23. On the tab 'Services' fill in which services will be available at this terminal. In the first slot of the list of available services you must enter the service 'Amount' or 'Euro' for instance with a price of £ 0,01 (or other currency). Enter the available services according to Table 4-2 and Table 4-3 (see also Figure 3-5).

MiniPOS with 20 product keys	
Key	Service slot
AB12	2
AB34	3
CD12	4
CD34	5
EF12	6
EF34	7
GH12	8
GH34	9
A5	10
A6	11
A7	12
A8	13
B5	14
B6	15
B7	16
B8	17
C5	18
C6	19
C7	20
C8	21

Table 4-2

MiniPOS with 44 product keys			
Key	Service slot	Key	Service slot
A1	2	C7	24
A2	3	C8	25
A3	4	D1	26
A4	5	D2	27
A5	6	D3	28
A6	7	D4	29
A7	8	E1	30
A8	9	E2	31
B1	10	E3	32
B2	11	E4	33
B3	12	F1	34
B4	13	F2	35
B5	14	F3	36
B6	15	F4	37
B7	16	G1	38
B8	17	G2	39
C1	18	G3	40
C2	19	G4	41
C3	20	H1	42
C4	21	H2	43
C5	22	H3	44

C6	23	H4	45
----	----	----	----

Table 4-3

24. Click on the function button **Apply**.
25. Click **OK**. The new terminal will be saved. The record list will include the name of this new terminal.

4.2.2 Determining the parameter values for the FacilityPro MiniPOS 3000

There are a number of parameters that determine how a FacilityPro MiniPOS 3000 will operate, and that must be assigned the correct value for your site. Some of these parameters are found on the machine type data screen, some on the terminal data screen and some on the site data screen. These are:

On the machine type data screen (in alphabetical order):

- 1) `als_server_ip`⁴: value in standard configuration 0.0.0.0
IP address of the ALS or PIM server (please refer to the FacilityPro Manager user manual).
- 2) `display_balance`: value in standard configuration 0
value = 0: balance is only displayed when user presses '?'-button;
value = 1: when card is inserted the balance is displayed, unless it is a Chipknip;
- 3) `idle_timeout`: value in standard configuration 5000
When the terminal is not active, two or three alternating screens will be shown on the display of the terminal (see parameters Welcome text 1 and Welcome text 2 below). The parameter `idle_timeout` defines after how many ms the display switches between the screens. If it has the value 0 the screen will not alternate, only the first screen will be shown (default: WELCOME, YOUR CARD PLEASE). The date and time will then not be shown.
- 4) `oc_dummy_cardnumber`: value in standard configuration 0
Only applicable to terminals that accept Chipknip (refer to footnote 1). This parameter determines the card number that is sent to the cash register to indicate that a Chipknip has been inserted, and that is stored as the card number in the transaction record and will be shown in reports. It is generally 0. Some cash registers cannot accept a card number 0 and generally the value 2147483647 is then used (hexadecimal 7FFFFFFF).
- 5) `service_cardnumber`: value in standard configuration 9999
Cards with a card number between [`service_cardnumber+1`] and [`service_cardnumber+10`] will be accepted as cashier's card (see also parameter `service_timeout`).
- 6) `service_timeout`: value in standard configuration 0
The time (in s) after which the terminal enters into the mode 'Cashier log on' so that no more transactions can be effected until the cashier has logged on with a cashier's card (refer to §6.1). Value '0' turns off this functionality.
- 7) `single_vend`: value in standard configuration 0, or 1 if the terminal accepts Chipknip (Magnabox programmed with additional Chipknip firmware and equipped with a SAM of acquirer Equens)

⁴ For all Magnaboxes with firmware version lower than 3.45 the parameter `server_ip` should be used and not `als_server_ip`.

- value = 0: the terminal can effect multiple transactions to the same card without the card being taken out and re-inserted;
- value = 1: there can only be one transaction with an inserted card. In order to effect a second payment with the same card, it must be taken out and re-inserted;
- 8) stop_translog_full: value in standard configuration 0
 - value = 0: if the memory of the Magnabox for storing transaction data is full (1000 transactions) the Magnabox will continue to work and new transactions can be effected. Transaction data is then lost on a FIFO basis (First In First Out). The counters in the Magnabox continue to store all relevant data so that no data is lost at that level;
 - value = 1: as soon as the memory of the Magnabox for storing transaction data is full (1000 transactions) the Magnabox will refuse to operate and no further transactions can be effected until the Magnabox has been audited and the transactions have been collected. The display of the Atlas will show 'TRANSACTION FULL OUT OF ORDER';
- 9) user_confirmation: value in standard configuration 0
 - value = 1: payment will only be effectuated after confirmation by the cardholder;
 - value = 0: payment will be effectuated automatically as the amount has been sent from the mini POS to the Magnabox and a card is inserted, unless the card is a Chipknip, in which case the customer is asked to confirm before the amount is deducted from the card;

On the terminal data screen:

- 1) Welcome text 1: standard value WELCOME

When the terminal is not active, two alternating screens will be shown on the display of the terminal. This field contains the first line of text of the first screen. If this field is not filled in the default value 'WELCOME' will be used. The second line will always be 'YOUR CARD PLEASE'. The second screen will show the date and the time.
- 2) Welcome text 2: standard value empty

If this field is given a value, when the terminal is not active, three alternating screens will be shown on the display of the terminal instead of two (see above). The third screen will show the text filled in in this field. To control the way lines are shown (the position of lines) commands can be placed in the text. The Magnabox will interpret these commands and implement them. The commands for a line of text must be placed at the beginning of that line. The commands are:

 - a) '\c' center the text on the display
 - b) '\l' left-align the text
 - c) '\r' right-align the text
 - d) '\n' new line
 - e) '\1' this text must be on the 1st line
 - f) '\2' this text must be on the 2nd line
 - g) '\3' this text must be on the 3rd line
 - h) '\4' this text must be on the 4th line

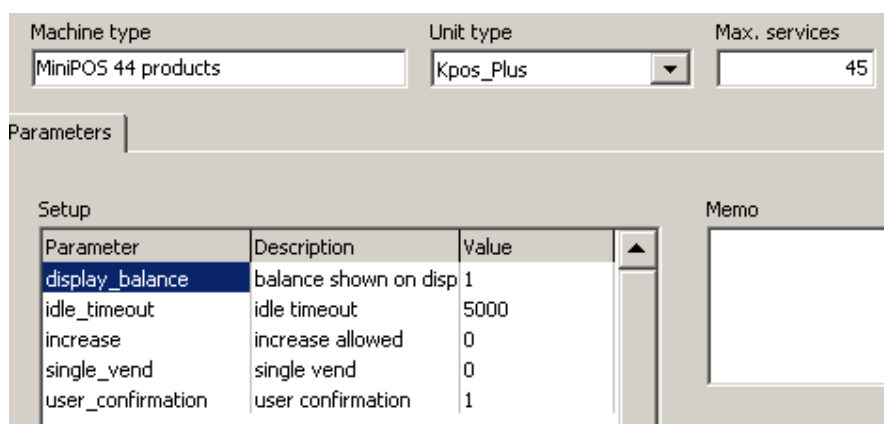
On the site data screen:

- 1) Site code
- 2) System currency

- 3) Language choice in the terminals⁵: this field contains a list of which languages will be used in the terminals of the site. If this list is not empty, the messages shown on the displays of the terminals will be shown in the language shown in the first position by default. The card holder can toggle between the selected languages (in the order seen in this list) using the language button on the card reader at the terminals. Languages can be removed and added to the list using the  and  buttons. If no languages are selected here the terminal will use the language determined in the terminal at delivery as the first language (presumably the language of your site) and all other available languages for toggling, starting with the language following the default language, in this order: Dutch – English – German – French - Portuguese. Defining only one or two languages in this list will make the omitted languages unavailable on the terminals, which could be desirable on your site.

How to edit the values of the parameters:

1. In the machine types data screen select the machine type of your FacilityPro MiniPOS 3000 (e.g. 'MiniPOS 44 products'). You will see the present values of the parameters on the tab 'Parameters' as in Figure 4-4.
 2. On the tab 'Parameters' edit the value of the parameters if this is necessary to accommodate the desires of the site. If you want to edit the default value of parameters that are not shown on the tab 'Parameters' you will have to use the button **Add parameter** to add them to the tab (see the FacilityPro Manager user manual).
 3. If you wish, change the value of the parameter 'Welcome text 1' and 'Welcome text 2' on the tab 'Other' of the terminals data screen.
 4. If you wish, change the value of the parameters 'Site code' and 'Language choice in the terminals' on the tab 'Settings' of the site data screen.
 5. If you wish, change the value of the parameter 'System currency' on the tab 'System currency' of the site data screen.
1. Click **Apply**.
 2. Click **OK**.



Parameter	Description	Value
display_balance	balance shown on disp	1
idle_timeout	idle timeout	5000
increase	increase allowed	0
single_vend	single vend	0
user_confirmation	user confirmation	1

Figure 4-4 Typical parameter values for mini POS

⁵ If a terminal has a descriptor version lower than desv0011 (this can be checked in field 'Descriptor version' on the 'Settings' tab of the terminals data screen) the terminal will not be able to toggle languages and will not be affected by the languages selected in this list.

4.2.3 Configuring the terminal

How to configure the FacilityPro MiniPOS 3000 with FacilityPro Manager:

1. Install the FacilityPro MiniPOS 3000 as described in chapter 3, ensuring that FacilityPro Manager can connect to the FacilityPro MiniPOS 3000 via a network unless the terminal will be configured and audited manually using a PDA.
2. Turn on the FacilityPro MiniPOS 3000 (Magnabox and mini POS, §6.1) and ensure the display shows as in Figure 4-1 or alternately as in Figure 4-2 and Figure 4-3. Possibly you will have to log on with a cashier's card first.
3. Start FacilityPro Manager.
4. Make sure the terminal has been created in the database (4.2.1) and the parameters have the correct values for your site (§4.2.2).
5. If the terminal will be configured and audited manually please refer to your COMET user manual for instructions on how to configure a terminal using FacilityPro Manager and a PDA with COMET software.
6. Make sure the terminal can be connected to: go to the tab 'Status' of the terminal and click on the action button **Status**. If you do not see the message 'STATUS Terminal OK' then the connection has not been set up and you cannot configure the terminal.
7. Click on the action button **Send config**.
8. Click **OK**.
9. Wait for the message 'Done'.
10. Click **OK**. The FacilityPro MiniPOS 3000 is now configured. The display of the card reader shows alternately as in Figure 4-2 and in Figure 4-3. The display of the mini POS shows:



If the display of the card reader shows as in Figure 6-1, the cashier will first have to log on by inserting a cashier's card and then taking it out, after which the display will show alternately as in Figure 4-2 and Figure 4-3.

4.3 Configuring with the Magnabox menus

The most basic configuration parameters can be edited using the Magnabox menus and are found in the menu 'Application'. These are:

- 1) User confirmation
- 2) Single vend
- 3) Display balance
- 4) Currency
- 5) Site code
- 6) Service timeout
- 7) Languages

See the list of parameters in §4.2.2 for an explanation of the meaning of each parameter (Currency = System currency, languages = Language choice in the terminals).

You are referred to the Magnabox installation and user manual for instructions on changing the value of these parameters using the Magnabox menus.

4.4 Configuring with a web browser (http)

Using a web browser you can change the basic configuration of a FacilityPro MiniPOS 3000. This requires a configuration to be loaded into the FacilityPro MiniPOS 3000 first. This can be done by loading the standard configuration (§4.1). After loading the standard configuration, you will use the web browser to edit the configuration parameters to reflect the functionality for your FacilityPro MiniPOS 3000.

Some more advanced settings cannot be realised with a web browser and will require that you configure using FacilityPro Manager (§ 4.2).

How to configure the FacilityPro Vending 3000 with a web browser:

1. Install the FacilityPro Vending 3000 as described in chapter 3.
2. Load the standard configuration (§4.1).
3. Check the IP address on the display of the Magnabox and make sure your PC is connected to the same network.
4. Open a web browser on your PC.
5. In the address line type '**http://[IP address of your Magnabox]**'.
6. Press **<Enter>**. You will see the home page of your Magnabox (Figure 4-5).
7. Click on the web page 'config paystation'.
8. Enter your user name and password and click **OK**. (Default value = '**Demo**', '**Demo**'). You will see the paystation page of your Magnabox (Figure 4-6).
9. Click on a parameter you wish to change and assign the appropriate value for your site. See the list of parameters in §4.2.2 for an explanation of the meaning of each parameter, whereby:
 - 1) Show Balance = parameter 'display_balance'
10. Click **return to paystation config**.

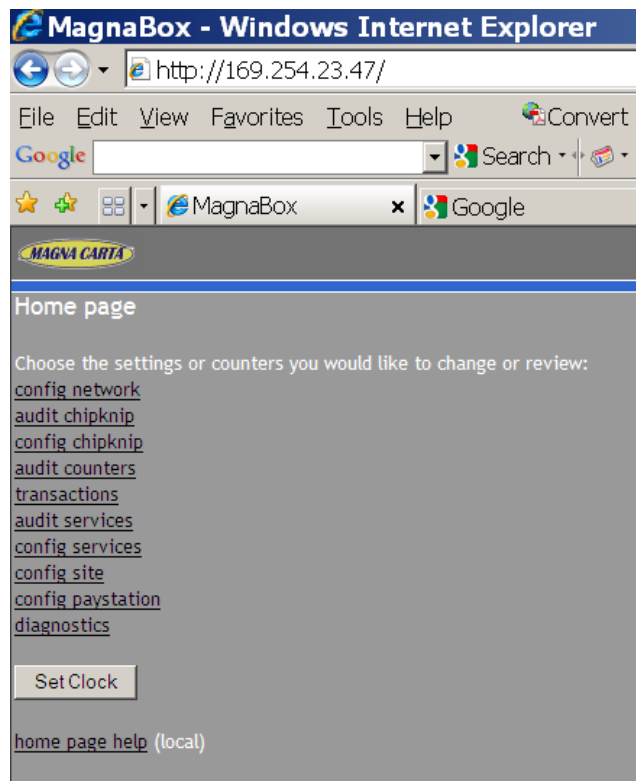


Figure 4-5 Home page of a Magnabox

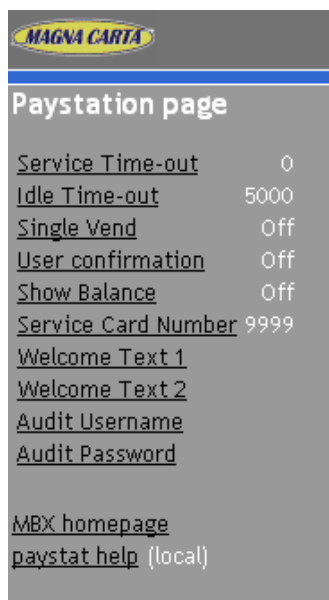


Figure 4-6 Paystation page of the Magnabox of a FacilityPro MiniPOS 3000

11. Repeat steps 9 and 10 until all the parameters of the paystation page have the desired value.
12. Click on **MBX home page**.
13. If you want to change any other configuration parameters (you should change the parameters 'config user name', 'config password' and 'site code' on the Site page of the Magnabox for security reasons) this can be done as described above. From the home page you should choose:
 - 1) config network for the parameters in Figure 4-7
 - 2) config site for the parameters in Figure 4-8

- 3) config services for the products sold at the terminal and the prices (Figure 4-9)
14. Leave the web browser and restart the Magnabox for the changes to take effect.

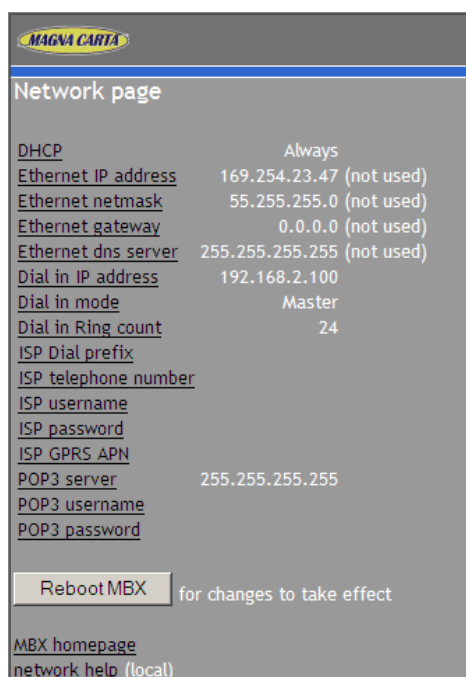


Figure 4-7 Network page of a Magnabox

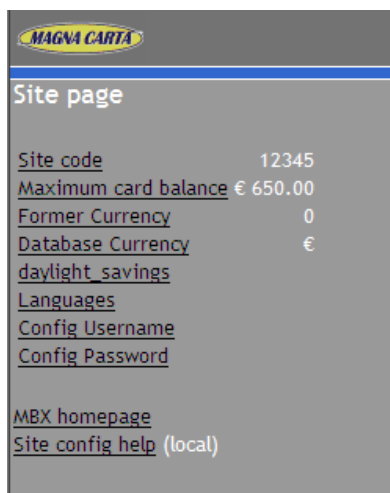


Figure 4-8 Site page of a Magnabox

MAGNA CARTA		
Services page		
Service Name	Price	
<u>1</u>	Bedrag	€ 0.01
<u>2</u>	Item 1	€ 0.10
<u>3</u>	Item 2	€ 0.20
<u>4</u>	Item 3	€ 0.30
<u>5</u>	Item 4	€ 0.40
<u>6</u>	Item 5	€ 0.50
<u>7</u>	Item 6	€ 0.60
<u>8</u>	Item 7	€ 0.70
<u>9</u>	Item 8	€ 0.80
<u>10</u>	Item 9	€ 0.90
<u>11</u>	Item 10	€ 1.00
<u>12</u>	Item 11	€ 1.10
<u>13</u>	Item 12	€ 1.20
<u>14</u>	Item 13	€ 1.30
<u>15</u>	Item 14	€ 1.40
<u>16</u>	Item 15	€ 1.50
<u>17</u>	Item 16	€ 1.60
<u>18</u>	Item 17	€ 1.70
<u>19</u>	Item 18	€ 1.80
<u>20</u>	Item 19	€ 1.90
<u>Next >></u>		
Page: 1 <u>2</u> 3 4		
<u>MBX homepage</u>		
<u>services help</u> (local)		

Figure 4-9 Services page of the Magnabox of a FacilityPro MiniPOS 3000

5 Activating Chipknip on the FacilityPro MiniPOS 3000

This chapter is applicable only if you have a FacilityPro MiniPOS 3000 which accepts Chipknip (see footnote1). The Magnabox will have been programmed with additional Chipknip firmware and equipped with a SAM of acquirer Equens.

In the Magnabox installation and user manual supplied with your FacilityPro MiniPOS 3000 you will find instructions for placing the SAM if this has not been done before delivery and for activating the Chipknip functionality.

In order to activate you will need to know the TerminalID assigned by Equens.

6 Operation of the FacilityPro MiniPOS 3000

The instructions in this chapter assume that the parameter user_confirmation has the value 1 (§4.2.2).

6.1 Turning on the FacilityPro MiniPOS 3000

How to turn on the FacilityPro MiniPOS 3000:

1. For older versions of the FacilityPro MiniPOS 3000 without the TIPRO PCB only: Insert the plug of the power supply and cable of the mini POS into a socket.
2. Insert the plug of the power supply of the Magnabox into a socket. When the terminal is ready for use (this takes a few seconds) the display of the card reader will show alternately as in Figure 4-2 and Figure 4-3 and the display of the mini POS will show:



If the display of the card reader shows as in Figure 6-1, the cashier must first insert a cashier's card and then take it out. The display will then show alternately as in Figure 4-2 and Figure 4-3.



Figure 6-1 Cashier log on

6.2 Electronic payment at the FacilityPro MiniPOS 3000

Using the FacilityPro MiniPOS 3000 several product keys and/or amounts can be entered one after the other and then be paid for all at once. The key with the currency sign £ (or \$, € or other) is also a product key representing the product £0,01 (1 penny).

A payment consists of a number of lines (maximum 25). A line can be created in two ways:

- by pressing a product key
- by first entering a number on the numeric keypad and then pressing a product key (or the <£>-key).

The display of the card reader will always show the last entered line (number and product name), as well as the total amount of the order up to now (Figure 6-2).

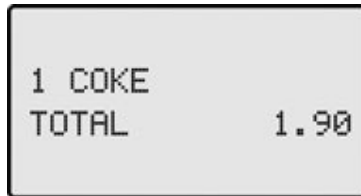


Figure 6-2 product line and total

The display of the mini POS will show the same, as well as the two previous lines of the order, the line numbers and the total number of lines up to now. An up-arrow on the top line shows that more lines have been entered than can be shown, and a dot shows which is the selected line:

FRIDAY 22:43	▲ 02 1 coffee 1.10
3 FEB 2006	03 2 tea 2.20
	• 04 1 coke 2.20
	04 TOTAL 6,50

How to pay at the FacilityPro MiniPOS 3000:

1. Enter the first line of the order on the mini POS:
 - a. press a product key or
 - b. enter a number on the numeric keypad and then press a product key or the <F>-key
2. Repeat step 1 until all the lines of the order have been entered on the mini POS. While entering an order press ESC at any time to cancel the whole order. If, while entering an order, an invalid product key is pressed (a key that has not been configured to represent a product) the display will show as in Figure 6-3. The operator must then press ESC to continue with the order. On the display of the mini POS keyboard a dot shows which is the selected line. By default this is the line last entered. Using the ▼ and ▲ keys another line can be selected. The selected line can be cancelled by pressing the <DELETE>-key.

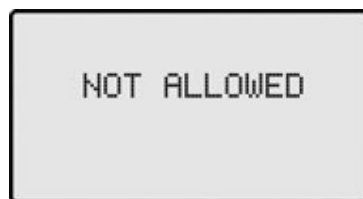


Figure 6-3 Not allowed

3. Press the <ENTER>-key. Both displays will show (if the customer has not already inserted his card) as in Figure 6-4.

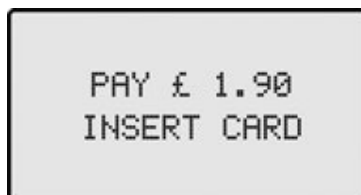


Figure 6-4 Pay amount insert card

4. Let the customer insert his FacilityPro card or Chipknip. The display of the card reader shows as in Figure 6-5 (FacilityPro card) or Figure 6-6 (Chipknip). If the balance on the card is lower than the amount due, the display will show as in Figure 6-7.

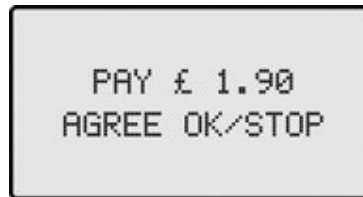


Figure 6-5 Pay amount agree OK/STOP



Figure 6-6 Chip amount agree OK/STOP

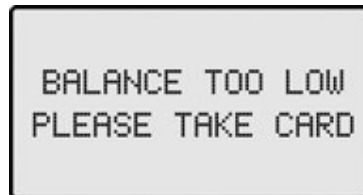


Figure 6-7 Balance too low

5. Let the customer press the <OK>-key. The amount due is deducted from the card and the display shows first as in Figure 6-8 and then as in Figure 6-9 or Figure 6-10 (if parameter single vend = 0) or as in Figure 6-11 (if parameter single vend = 1 or if the card is a Chipknip). If the customer presses the <STOP>-key instead of the <OK>-key, the display will show as in Figure 6-12.



Figure 6-8 You have paid

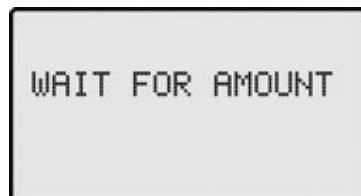


Figure 6-9 Wait for amount

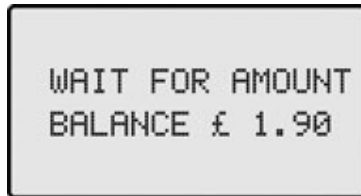


Figure 6-10 Wait for amount balance

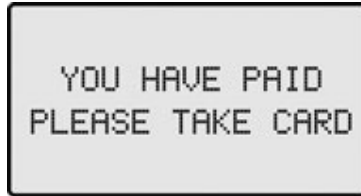


Figure 6-11 You have paid please take card

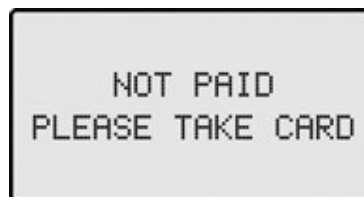


Figure 6-12 not paid please take card

6. Let the customer remove his card. A new transaction can be started. The display of the card reader shows alternately as in Figure 4-2 and in Figure 4-3. If the parameter `single_vend` has the value 0 and the card is not a Chipknip, a new transaction can be started immediately with the same card (the display shows as in Figure 6-9).

The following schemes present an overview of the use of the FacilityPro MiniPOS 3000 for payment:

How to pay for 1 coffee, 2 coke, £ 0,85 and 12 beer:

Action	Display card reader
coffee-key	1 coffee TOTAL XX,XX
2 (on numeric keypad)	2 TOTAL XX,XX
coke-key	2 coke TOTAL XX,XX
85 (on numeric keypad)	85
<£>-key	£ 0,85 TOTAL XX,XX
12 (on numeric keypad)	12
beer-key	12 beer TOTAL XX,XX
<ENTER>-key	PAY £X,XX INSERT CARD
Customer enters card	PAY £ X,XX AGREE OK/STOP
Customer presses <OK>-key	YOU HAVE PAID

on card reader	
----------------	--

The function of the keys on the mini POS keyboard:

Action	Result
Product key	Adds product to order once
Number X on numeric keypad, followed by product key	Adds product to order X times
Number X on numeric keypad, followed by <£>-key	Adds amount of X cents to order
<ENTER>-key	Starts payment
<DELETE>-key	Cancels the selected (usually last) line of the order)
<ESC> -key (from order)	Cancels the whole order
▼ and ▲ keys	Selects one line lower/higher in the order
<CARD TO CASH>-key	Starts transfer of cash amount entered from CARD to POS (see chapter 6.4)
<CASH TO CARD>-key	Transfers amount in POS to CARD (see chapter 6.4)

6.3 Viewing the balance on a card with the FacilityPro MiniPOS 3000

How to view the balance on a FacilityPro card:

1. Let the customer insert his FacilityPro card or Chipknip. The display of the card reader shows as in Figure 6-9 (FacilityPro card) or Figure 6-10 (Chipknip), depending on the value of the parameter display_balance (§4.2.2). For a Chipknip the display will show as in Figure 6-9.
2. If the display did not show the balance in the previous step, press the <?>-key. The display shows as in Figure 6-13 for a few seconds and then again as in Figure 6-9.
3. Take out the card or wait until the cashier has entered your order on the mini POS and sent it to the Magnabox so that the display shows as in Figure 6-5 (FacilityPro card) or Figure 6-6 (Chipknip) and then continue with your payment from step 5 of §6.2.



Figure 6-13 Balance

6.4 Transferring balance from one card to another

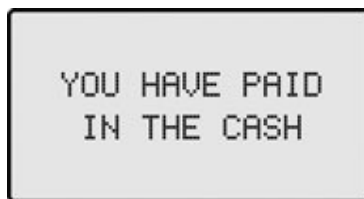
In some cases it might be desirable to be able to transfer money from one card to another. This is done by transferring from the source card 'to the cash', and then 'from the cash' to the destination card. For example, when an organisation is migrating from old cards to new cards, the balance of the old card can be transferred to the new card. Sometimes it is desirable to transfer balance from a Chipknip to a FacilityPro card, for example at sports clubs where junior members tend not to have a Chipknip and their parent might want to reload the FacilityPro card of their child by transferring balance from their own Chipknip. Or all the members of a team might transfer an amount from their own card to the cash, after which the whole amount is transferred to the team card.

Balance cannot be transferred to a Chipknip. In the instructions below source card means the card from which the amount to be transferred is deducted, and destination card is the card to which the amount is added.

How to transfer money from one card to another:

1. Cardholder inserts source card in card reader. The display shows as in Figure 6-9 or Figure 6-10, depending on the value of the parameter display_balance (§4.2.2). For a Chipknip the display will show as in Figure 6-9.
2. Cashier enters the amount to be transferred by entering the number of cents on the numeric keypad, followed by the <£>-key.
3. Cashier presses <CARD TO CASH>-key. The display shows as in Figure 6-5 (FacilityPro card) or Figure 6-6 (Chipknip). Unless an order has been entered consisting of only one line, and representing a number of cents (see step 2 above), the CARD TO CASH-key will not work and the display will show as in Figure 6-3.
4. Customer presses <OK>-key. A beep sounds and the display shows briefly (sometimes very briefly) as in Figure 6-14, and then as in Figure 6-9 or Figure 6-10 (if parameter single vend = 0) or as in Figure 6-11 (if parameter single vend = 1 or if the card is a Chipknip). The display of the mini POS shows the amount that is in the cash:

FRIDAY 22:43 3 FEB 2006	WELCOME INSERT CARD
CASH: 10.00	



YOU HAVE PAID
IN THE CASH

Figure 6-14 paid in the cash

5. Customer removes source card.
6. Customer inserts destination card in card reader. The display shows as in Figure 6-9 or Figure 6-10.
7. Cashier presses <CASH TO CARD>-key. A beep sounds and the display shows as in Figure 6-15. If no amount has been transferred from a card to the mini POS (steps 2 through 4) the <POS to CARD>-key will not work and the display will show as in Figure 6-3.
8. Remove the card.



Figure 6-15 card is reloaded

Please note: Steps 1 through 5 can be executed several times to transfer money from more than one source card to the cash. Steps 6 through 8 can be executed at any time if there is an amount in the cash (which is always visible on the display of the mini POS). The entire amount that is in the cash will then always be transferred to one destination card.

7 Transmitting Chipknip payments to Equens

This chapter is applicable only if you have a FacilityPro MiniPOS 3000 which accepts Chipknip (see footnote 1). The Magnabox will have been programmed with additional Chipknip software and a SAM of acquirer Equens.

A FacilityPro MiniPOS 3000 which accepts Chipknip payments requires that these payments be transmitted to Equens. Normally the system will be configured such that this will be done automatically at fixed times, e.g. every night or once a week. This is done in one of two ways:

- 1) 'Direct transfer' from the Magnabox: the Chipknip firmware (ICS intern) which is built into the Magnabox transmits to Equens via a network (Ethernet LAN or GSM/GPRS or PSTN telephone network) certified by Equens.
- 2) Via a back-office PC: FacilityPro Manager audits the FacilityPro MiniPOS 3000 and supplies the transaction data of the Chipknip transactions to the Chipknip module (ICS) of FacilityPro Manager, which transmits to Equens via a network (Ethernet LAN or GSM/GPRS or PSTN telephone network) certified by Equens.

Extensive instructions for programming and configuring the Chipknip firmware or Chipknip module of FacilityPro Manager, transmitting transaction data to Equens manually, and referring to the data of the Chipknip transmissions effected can be found in the Magnabox installation and user manual which is supplied with your FacilityPro MiniPOS 3000 (for 'direct transfer') and in the installation and user manual of the Chipknip module of FacilityPro Manager (for transferring via a back-office PC).

8 Problem solving

8.1 Display shows 'CARD HAS THE WRONG CURRENCY'

Problem: Display shows as in Figure 8-1.



Figure 8-1 Card has the wrong currency

Solution: Rewrite card with the correct currency.

8.2 Display shows 'CARD IS NOT VALID HERE'

Problem: Display shows as in Figure 8-2.



Figure 8-2 Card is not valid here

Cause: The card contains the wrong site code. It might be a card from another site.

Solution: Rewrite card with the correct site code.

8.3 Display shows 'CARD IS NOT VALID'

Problem: Display shows as in Figure 8-3.



Figure 8-3 Card is not valid

Cause: The card contains a validity period with an end date in the past.

Solution: Rewrite card with the a new validity period.

8.4 Display shows 'CARD IS NOT YET VALID'

Problem: Display shows as in Figure 8-4.



Figure 8-4 Card is not yet valid

Cause: The card contains a validity period with a start date in the future.

Solution: Rewrite card with the a new validity period.

8.5 Display shows 'YOUR CARD IS NOT USABLE'

Problem: Display shows as in Figure 8-5.



Figure 8-5 Your card is not usable

Cause: The card contains the wrong key set, the card is faulty or the card connector in the card reader is dirty or worn.

Solution: Rewrite the card, replace the card or, if problem occurs with all cards, contact your service provider and schedule a service call.

8.6 Display shows 'YOUR CARD DOESN'T RESPOND'

Problem: Display shows as in Figure 8-6.



Figure 8-6 Your card doesn't respond

Cause: The card does not have a chip or it is faulty.

Solution: Replace card or, if problem occurs with all cards, contact your service provider and schedule a service call.

8.7 Chipknip problems

This chapter is applicable only if you have a FacilityPro Vending 3000 which accepts Chipknip (see footnote **Error! Bookmark not defined.**).

8.7.1 Display shows 'BUITEN GEBRUIK BETAAL ANDERS'

Problem: Display shows as in Figure 8-7 when a Chipknip is inserted.



Figure 8-7 Buiten gebruik betaal anders

Cause: The Chipknip payments have not been transmitted to Equens on time. This can have various causes, depending on the configuration of your system. Maybe the terminal has not been audited, maybe the Chipknip module of FacilityPro Manager has been turned off, etc.

Solution: Audit the terminal and transmit the Chipknip payments to Equens (§7).

8.7.2 Display shows 'STORING NEEM UW PAS'

Problem: Display shows as in Figure 8-8 when a Chipknip is inserted.

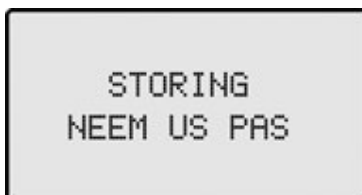


Figure 8-8 Storing neem uw pas

Cause: The Equens SAM is faulty.

Solution: Contact your service provider and schedule a service call.

8.8 The display of the mini POS is blank

Problem: The display of the mini POS stays blank

Cause: This indicates that the power supply of the Magnabox was connected before the power supply of the mini POS, which can occur with older versions of the FacilityPro MiniPOS 3000 without the TIPRO PCB, or if the mini-DIN connector of

the mini POS cable is only inserted into the unlabelled port of the Magnabox above the port 'POWER' after the Magnabox has been turned on.

Solution: Disconnect the power supply of the Magnabox and then reconnect it.

8.9 The display of the mini POS shows old transaction data

Problem: The display of the mini POS shows old transaction data.

Cause: The connection between the mini POS keyboard and the Magnabox was lost.

Solution: Check the cables or call your service provider for assistance.